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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

**“पुराने को छोड़ नये के तरफ”**

Jawaharlal Nehru

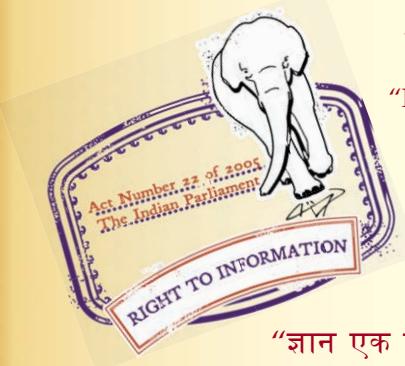
“Step Out From the Old to the New”

IS 575 (1956): Chrome belt lace leather [CHD 17: Leather, Tanning Materials and Allied Products]

**“ज्ञान से एक नये भारत का निर्माण”**

Satyanaaranay Gangaram Pitroda

“Invent a New India Using Knowledge”



**“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”**

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”





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IS : 575 - 1956  
( Reaffirmed 1983 )

*Indian Standard*  
**SPECIFICATION FOR  
CHROME BELT LACE LEATHER**

( Second Reprint NOVEMBER 1983 )

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**INDIAN STANDARDS INSTITUTION**  
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG  
NEW DELHI 110002

# Indian Standard

## SPECIFICATION FOR CHROME BELT LACE LEATHER

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*Indian Standard*  
**SPECIFICATION FOR  
 CHROME BELT LACE LEATHER**

**O. F O R E W O R D**

**0.1** This Indian Standard was adopted by the Indian Standards Institution on 9 February 1956, on the endorsement by the Chemical Division Council of the draft finalized on 5 July 1955 by the Leather Sectional Committee.

**0.2** Taking into consideration the views of the producers, consumers and technologists, the Sectional Committee responsible for the preparation of this standard felt that it should be related to the trade practices followed in the country in this field. Furthermore, due weightage had to be given to the need for international co-ordination between standards prevailing in different countries of the world. These considerations led the Sectional Committee to consult various overseas standards on this subject, and to draw assistance from results of analysis of samples of chrome belt lace leather manufactured in the country, carried out by the Central Leather Research Institute, Madras, and Government Test House, Calcutta.

**0.3** Keeping in view the decision of the Government of India to introduce a uniform system of weights and measures throughout the country based on the metric system, all values in the standard have been given in metric units. In order to assist the leather trade and industries to adopt themselves to the change-over from foot-pound system to the metric system, the equivalent values in foot-pound units have been given in parenthesis. The Sectional Committee responsible for the preparation of this standard will, however, examine this standard during its revision with a view to eliminating the use of foot-pound system.

**0.4** This standard forms one of a series of Indian Standards on leather and leather goods. Other standards in the series are:

\*IS : 576-1954 SPECIFICATION FOR GLAZED KID FOR SHOE UPPERS

IS : 577-1954 SPECIFICATION FOR UPHOLSTERY LEATHER

\*IS : 578-1954 SPECIFICATION FOR CHROME TANNED BOX AND WILLOW KIPS AND SIDES FOR SHOE UPPERS

\*IS : 579-1954 SPECIFICATION FOR SOLE LEATHER

\*Since revised.

- \*IS : 580-1954 SPECIFICATION FOR HARNESS LEATHER
- \*IS : 581-1954 SPECIFICATION FOR VEGETABLE TANNED HYDRAULIC LEATHER
- \*IS : 582-1954 METHODS OF SAMPLING AND TEST FOR VEGETABLE AND CHROME TANNED LEATHERS
- \*IS : 583-1954 SPECIFICATION FOR AMMUNITION BOOTS FOR GENERAL PURPOSES
- \*IS : 584-1954 SPECIFICATION FOR CHAPLIS, FRONTIER PATTERN, FOR GENERAL PURPOSES

**0.5 Indian Standard Methods of Sampling and Test for Vegetable and Chrome Tanned Leathers ( \*IS : 582-1954 ) is a necessary adjunct to this specification.**

**0.5.1** Wherever a reference to \*IS : 582-1954 appears in this specification, it shall be taken as a reference to the latest version of the standard.

**0.6** For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with \*IS : 2-1949 Rules for Rounding Off Numerical Values; the number of places retained in the rounded off value should be the same as those of the specified value in the standard.

**0.7** This standard is intended chiefly to cover the technical provisions relating to the supply of the material, and it does not include all the necessary provisions of a contract.

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## **1. SCOPE**

**1.1** This standard prescribes the requirements and the methods of test for Chrome Belt Lace Leather.

## **2. SAMPLING**

**2.1** Representative samples of the material shall be drawn as prescribed under 2 of \*IS : 582-1954.

## **3. REQUIREMENTS**

**3.1 Raw Materials —** The material shall be cow or buffalo hides of good substance and free from serious grain and flesh defects.

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\*Since revised.

**3.2 Tanning** — The material shall be tanned fully with basic chromium salts.

**3.3 Finishing** — The material shall be fat-liquored and stuffed to make it supple, and shall be finished full grain.

**3.4** The material shall also comply with the requirements given in Table I, when tested according to the methods prescribed in \*IS : 582-1954 and calculated on 14 percent moisture basis. References to the relevant clauses of \*IS : 582-1954 are given in col 4 of the table.

**TABLE I REQUIREMENTS FOR CHROME BELT LACE LEATHER**

SL No.	CHARACTERISTIC	REQUIREMENT ( on 14 percent moisture basis )	METHOD OF TEST, REF TO CL NO. OF *IS : 582- 1954
(1)	(2)	(3)	(4)
i)	Total ash, percent by weight	4 to 6	7
ii)	Fats and oils, percent by weight	8 to 20	8
iii)	Chromic oxide ( $\text{Cr}_2\text{O}_3$ ) content, per- cent by weight	2.3 to 4.0	9
iv)	Tensile strength, Min kg per sq cm ( or lb per sq in )	280.0 ( or 4 000 )	23

\*Since revised.

**3.4.1** The moisture content of the material shall be determined as prescribed under 6 of \*IS : 582-1954.

#### **4. PACKING AND MARKING**

**4.1** The leather shall be packed as agreed between the purchaser and the vendor.

**4.2** The packages shall be marked with the name of the manufacturer; recognized trade mark, if any; number of pieces in the package; and the year of manufacture.

\*Since revised.

## INTERNATIONAL SYSTEM OF UNITS ( SI UNITS )

### Base Units

Quantity	Unit	Symbol
Length	metre	m
Mass	kilogram	kg
Time	second	s
Electric current	ampere	A
Thermodynamic temperature	kelvin	K
Luminous intensity	candela	cd
Amount of substance	mole	mol

### Supplementary Units

Quantity	Unit	Symbol
Plane angle	radian	rad
Solid angle	steradian	sr

### Derived Units

Quantity	Unit	Symbol	Conversion
Force	newton	N	1 N = 1 kg. 1 m/s <sup>2</sup>
Energy	joule	J	1 J = 1 N.m
Power	watt	W	1 W = 1 J/s
Flux	weber	Wb	1 Wb = 1 V.s
Flux density	tesla	T	1 T = 1 Wb/m <sup>2</sup>
Frequency	hertz	Hz	1 Hz = 1 c/s ( s <sup>-1</sup> )
Electric conductance	siemens	S	1 S = 1 A/V
Pressure, stress	pascal	Pa	1 Pa = 1 N/m <sup>2</sup>

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